

EXISTING IRRIGATION NOTE:
CONTRACTOR TO CUT AND CAP EXISTING IRRIGATION LATERALS AND REMOVE OLD IRRIGATION HEADS. THE CONTRACTOR SHALL REUSE THE EXISTING IRRIGATION VALVE AND CONTROL WIRES AND INSTALL NEW LATERALS AND SPRAY HEADS TO SERVICE THE TWO EXISTING TREES. CONTRACTOR SHALL FIELD VERIFY THE OPERATION OF THE EXISTING MAINLINE, VALVE, AND CONTROL WIRES.

A-10

POINT OF CONNECTION NOTE:
MAKE POINT OF CONNECTION IMMEDIATELY DOWNSTREAM OF EXISTING 3" IRRIGATION MAINLINE AT PUMP HOUSE. CONNECT IRRIGATION CONTROL WIRES TO EXISTING 48 STATION IRRIGATION CONTROLLER IN EXISTING PUMP HOUSE.

STATIC WATER PRESSURE: 75.00 PSI
SYSTEM DESIGNED PRESSURE: 40.00 PSI
MAXIMUM IRRIGATION DEMAND: 2.0 GPM

IRRIGATION NOTES:

- THIS SYSTEM IS DIAGRAMMATIC. ALL PIPE, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.
- DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST AND SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR REVISIONS NECESSARY.
- SYSTEM DESIGN IS BASED ON MINIMUM OPERATING PRESSURE SHOWN AT EACH POINT OF CONNECTION WITH MAXIMUM GPM DEMAND SPECIFIED. IRRIGATION CONTRACTOR SHALL VERIFY ALL PRESSURES ON SITE PRIOR TO CONSTRUCTION AND COMMUNICATE TO OWNER'S CONSTRUCTION REPRESENTATIVE.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, CURBS, ETC. HE SHALL COORDINATE ALL HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR LOCATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADS, PAVING AND STRUCTURES.
- MAINLINE FEEDER BETWEEN POINT OF CONNECTION, METER, AND BACKFLOW PREVENTER TO BE OF MATERIAL REQUIRED BY CURRENT WATER DISTRICT.
- FINAL LOCATION OF THE AUTOMATIC CONTROLLER ENCLOSURE AND THE BACKFLOW PREVENTION DEVICE SHALL BE APPROVED BY THE CITY'S AND OWNER'S REPRESENTATIVE, AND/OR LANDSCAPE ARCHITECT, WHERE APPLICABLE.
- IN ADDITION TO THE SLEEVES SHOWN ON THE PLAN, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL SLEEVES OF SUFFICIENT SIZE UNDER ALL PAVED AREAS PRIOR TO PAVING UPON APPROVAL OF THE OWNER'S REPRESENTATIVE, IF REQUIRED TO OPERATE SYSTEMS.
- IRRIGATION CONTRACTOR SHALL FLUSH ALL LINES AND ADJUST ALL HEADS FOR MAXIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, STREETS, AND BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST NOZZLE RADIUS TO FIT UNUSUAL SITE CONDITIONS FOR APPROVAL PURPOSES AT NO EXTRA CHARGE. CALL LANDSCAPE ARCHITECT 48 HOURS IN ADVANCE FOR ANY COVERAGE TESTS.
- QUALITY CONTROL OBSERVATION SEQUENCES ARE FOUND IN THE SPECIFICATIONS.
- CLEAN-UP ON A DAILY BASIS PER OWNER'S REPRESENTATIVE'S APPROVAL.

IRRIGATION LEGEND:

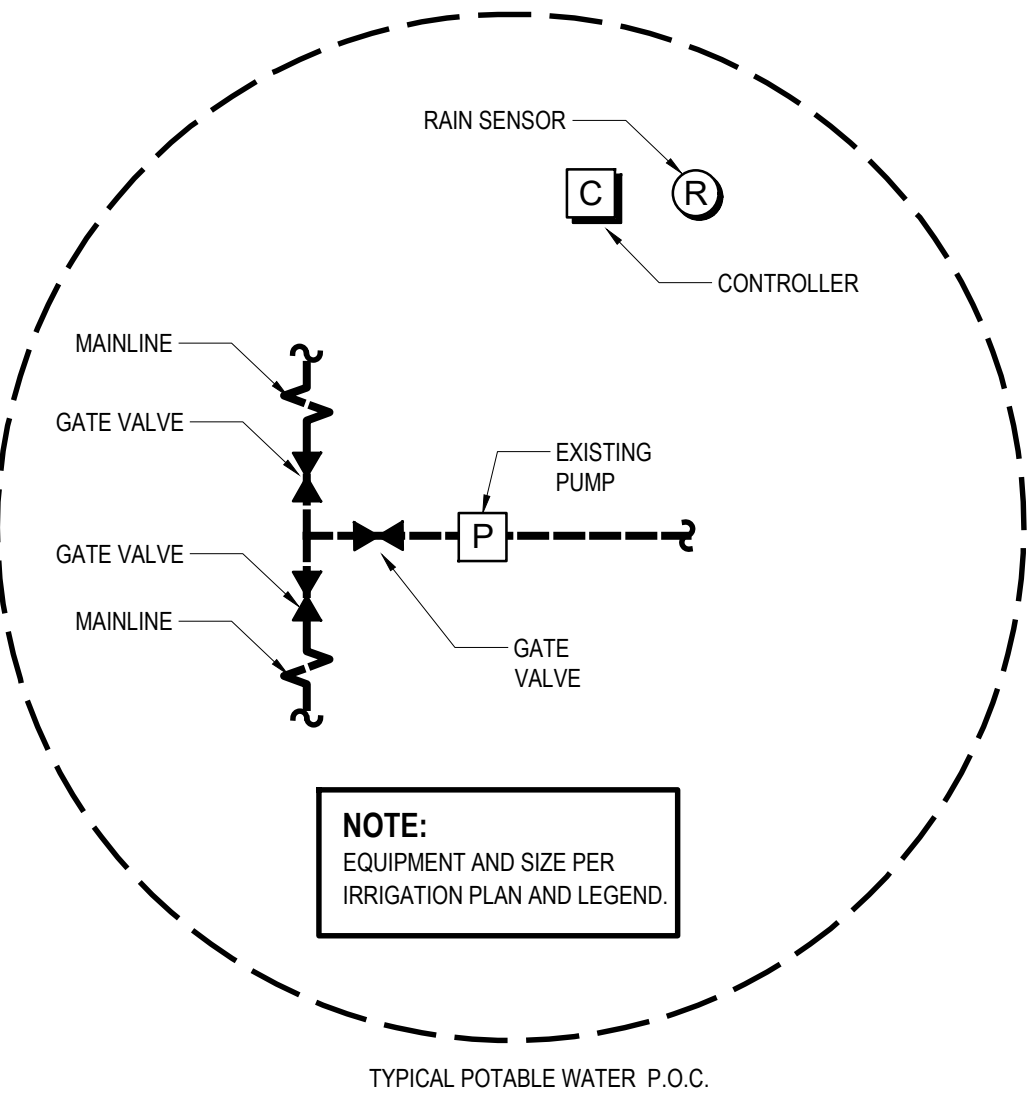
DIP AND EMITTERS:		MANUF.	MODEL #	DESCRIPTION	GPM	RADIUS	PSI	DETAIL REFERENCE
		NETAFIM	TLRW6-18	TECHLINE RW DRIPLINE	0.010	Drip	30	SEE DETAIL E, SHEET L-1.1
		RAINBIRD	RWS-B-C-1401	ROOTWATERING SYSTEM	0.25(2)	BUB	30	SEE DETAIL D, SHEET L-1.1
		RAINBIRD	RD-12-P30-MPR	12" POP-UP MPR SPRAY HEAD WITH RD-12 BODY	0.28	SPRAY	30	SEE DETAIL H, SHEET L-1.1
EQUIPMENT:		MANUF.	MODEL #	DESCRIPTION	DETAIL REFERENCE			
		NIBCO	T-585	LINE-SIZE GATE VALVE IN VALVE BOX	SEE DETAIL C, SHEET L-1.1.			
		RAINBIRD	EFB-CP-PBR	REMOTE CONTROL BRASS GLOBE VALVE & DRIP FILTER KIT IN PLASTIC VALVE BOX	SEE DETAIL A, SHEET L-1.1.			
		RAINBIRD	EFB-CP	ELECTRIC REMOTE CONTROL VALVE, SIZE AS SHOWN, IN PLASTIC VALVE BOX	SEE DETAIL B, SHEET L-1.1.			
		EXISTING		EXISTING IRRIGATION VALVE AND BOX TO BE REUSED. FIELD VERIFY OPERATION.				
		NETAFIM	TL050MFV-1	12" AUTOMATIC FLUSH VALVE AT LOWEST POINT, IN PLASTIC VALVE BOX	SEE DETAIL G, SHEET L-1.1.			
		EXISTING		EXISTING 48 STATION WEATHERMATIC IRRIGATION CONTROLLER.				
		APPROVED	SCH. 40 PVC	MAINLINE SIZED AS SHOWN, MINIMUM COVER OF 18".	SEE DETAIL F, SHEET L-1.1.			
		APPROVED	SCH. 40 PVC	LATERAL LINE SIZED AS SHOWN (MINIMUM OF 3/4"). MINIMUM COVER OF 12".	SEE DETAIL F, SHEET L-1.1.			
		APPROVED	SCH. 40 PVC	DRIPLINE LATERAL LINE SIZED AS SHOWN (MIN. OF 3/4"). MINIMUM COVER OF 12".	SEE DETAIL F, SHEET L-1.1.			
		APPROVED	SCH. 40 PVC	LATERAL SLEEVE, 2X LATERAL SIZE, UNLESS OTHERWISE NOTED.	SEE DETAIL F, SHEET L-1.1.			

NETAFIM INSTALLATION NOTES:
A. NETAFIM TECHLINE CV EMITTERS AND SPACING BETWEEN LINES AS PER IRRIGATION LEGEND.
B. LOCATE NETAFIM FLUSH VALVE AT LOWEST POINTS OF EACH SEPARATE PLANTER AREA WITHIN SYSTEM. INSTALL IN PLANTER AREA. SEE FLUSH VALVE DETAIL IN THIS PACKAGE FOR INSTALLATION INSTRUCTIONS. (FOR NON-CV LINES AIR RELIEF VALVE WILL BE REQUIRED. IF NEEDED LOCATE AT OR NEAR HIGH POINT OF PLANTER AREA WITHIN SYSTEM). UNDER NORMAL CIRCUMSTANCES TECHLINE CV DOES NOT REQUIRE AIR RELIEF VALVES.
C. CONNECT TECHLINE CV TO PVC WITH PVC TEES AND COMPRESSION FITTINGS. USE COMPRESSION FITTINGS FOR ALL PVC TO TECHLINE CONNECTIONS. PRIME AND GLUE ALL PVC TO PVC CONNECTIONS.

SLEEVING NOTE:
ALL IRRIGATION MAINLINES, LATERALS, AND WIRES INSTALLED UNDER HARDSCAPE OR COBBLE PAVING SHALL BE INSTALLED IN SCH. 40 PVC PIPE SLEEVES. IRRIGATION WIRE SLEEVES TO BE 2" DIAMETER MINIMUM. MAINLINE AND LATERAL LINE SLEEVES TO BE TWO TIMES (2x) LARGER THAN THE SIZE OF THE PIPE TO BE SLEEVED.

VALVE CALLOUT CHART:

#	TYPE	PLANT	SIZE	GPM	HZ	SF
1	BUBBLER	TREE	1"	2	2	96
2	DRIPLINE	SHRUB	1"	2	1	150
3	BUBBLER	TREE	1"	2	2	96
4	DRIPLINE	SHRUB	1"	2	1	195
A-10	SPRAY	EX. TREES	1.5"	2	3	-



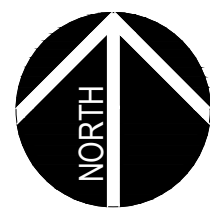
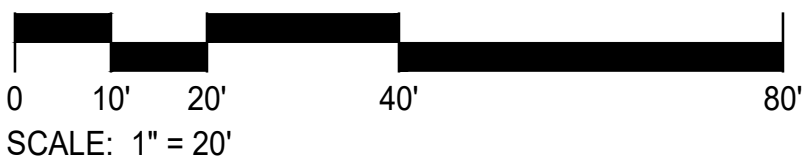
PIPE SIZING CHART:
SCHEDULE 40 PVC

A	3/4"	0-8 GPM
B	1"	9-12 GPM
C	1 1/4"	13-22 GPM
D	1 1/2"	23-30 GPM
E	2"	31-50 GPM

PLAN CROSS REFERENCES:

- FOR NOTES AND LEGENDS, THIS SHEET
- FOR IRRIGATION DETAILS, SEE SHEET L-1.1
- FOR IRRIGATION SPECIFICATIONS, SEE BOOK SPECS
- FOR CORRESPONDING PLANTING PLAN SEE SHEET L-2.0

THIS SYSTEM IS DESIGNED TO USE WATER FROM A POTABLE WATER SOURCE



OWNER: EL MONTE UNION HIGH SCHOOL DISTRICT
PROJECT NAME: EL MONTE HIGH SCHOOL BLEACHERS

CLIENT ADDRESS: 3048 TYLER AVENUE, EL MONTE, CA, 91731

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DIVISION OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

A# 03-117117

AC FLS SS

DATE

REVISIONS:

	DESCRIPTION	DATE
A	Addendum A	4-5-2017

DATE ISSUED: 12-05-201

PROJECT NO: 2014-4016

SCALE:

SHEET NUMBER: L-1.0

SHEET TITLE:

IRRIGATION PLAN

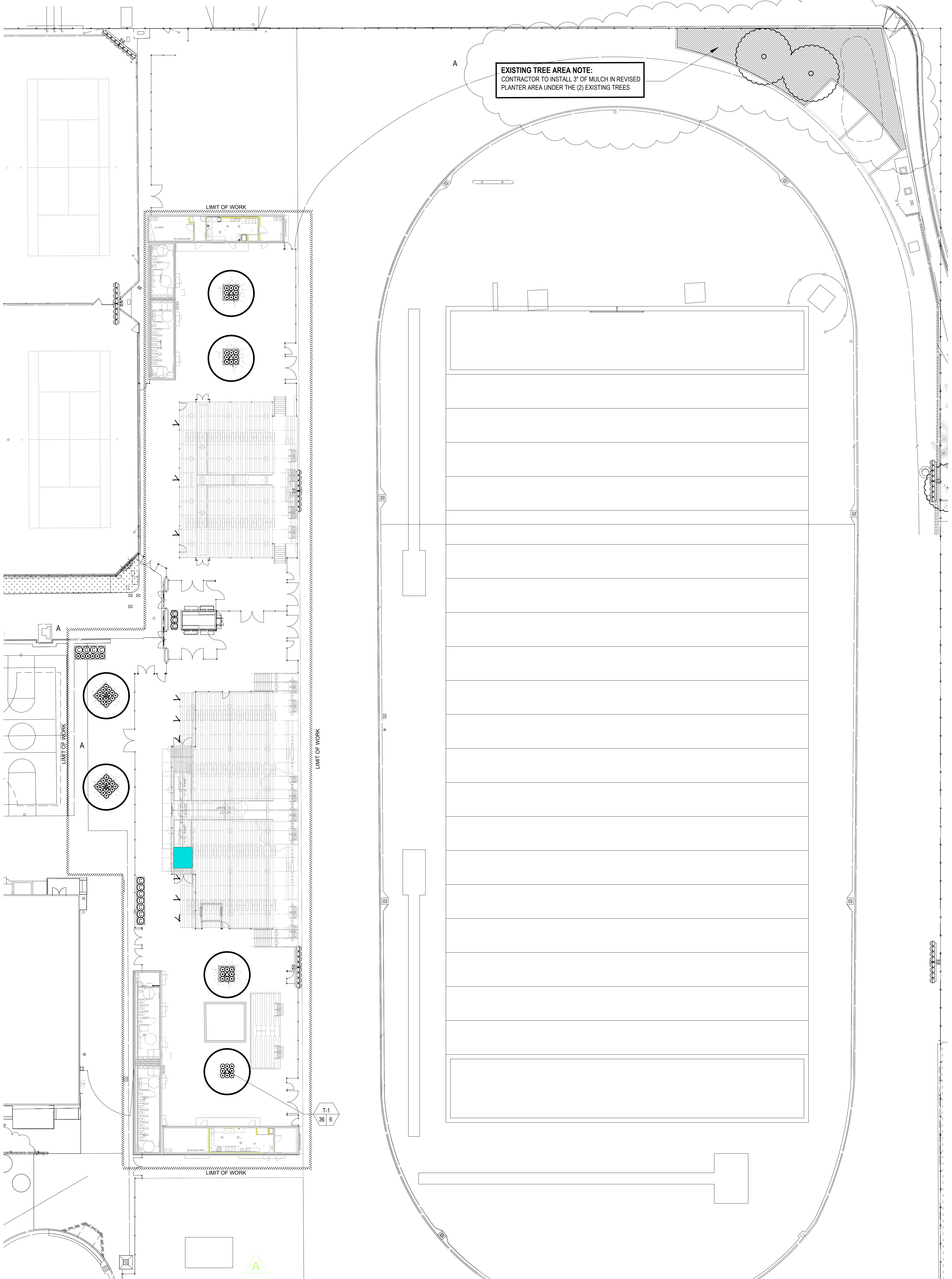


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EXISTING TREE AREA NOTE:
CONTRACTOR TO INSTALL 3" OF MULCH IN REVISED
PLANTER AREA UNDER THE (2) EXISTING TREES

PLANTING NOTES:

- SHRUB LAYOUT AS SHOWN ON PLAN INDICATES "SHRUB MASSES." QUANTITIES ARE AS SHOWN ON PLAN, ON-CENTER SPACING AS SHOWN ON LEGEND. CONTRACTOR TO VERIFY QUANTITIES BASED ON SPACING AND ADD ADDITIONAL PLANT MATERIAL AT NO ADDITIONAL COST TO THE OWNER, AS REQUIRED TO MAINTAIN DESIGN INTENT DUE TO EXISTING SITE CONDITIONS NOT ANTICIPATED DURING DESIGN. LAYOUT/SPACING WILL EITHER BE TRIANGULAR OR LINEAR AS SHOWN ON PLAN OR LEGEND. LANDSCAPE ARCHITECT TO APPROVE FINAL LAYOUT IN FIELD PRIOR TO INSTALLATION.
- CONTRACTORS SHALL NOTIFY THE LANDSCAPE ARCHITECT OF SITE CONDITIONS WHICH PREVENT INSTALLATION PER PLANS AND SPECIFICATIONS.
- CONTRACTOR SHALL BE LIABLE FOR REMOVING AND RE-INSTALLING IRRIGATION EQUIPMENT, AND REPLANTING AREAS WHICH ARE NOT INSTALLED PER PLAN AND SPECIFICATIONS.
- REFER TO PLANTING SPECIFICATIONS FOR INSPECTION/CERTIFICATION SCHEDULE.
- IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL PRIOR TO INSTALLATION OF PLANT MATERIALS.
- TREES AND SHRUBS SHALL BE PLANTED AFTER CONCRETE PLACEMENT, BUT NOT BEFORE IRRIGATION COVERAGE TEST NO. 1 HAS BEEN APPROVED. (SEE SPECIFICATIONS).
- PLACE TREES BETWEEN IRRIGATION HEADS WHEREVER POSSIBLE.
- LANDSCAPE CONTRACTOR SHALL TAKE FOUR (4) SOIL SAMPLES FROM THE SITE AT LOCATIONS APPROVED BY THE LANDSCAPE ARCHITECT. THE SAMPLES SHALL BE TAKEN AT A DEPTH OF 12" AFTER ROUGH GRADING AND SUBMITTED TO AN APPROVED SOIL AND PLANT LABORATORY FOR AGRICULTURAL SUITABILITY TESTING. THE COST OF TESTING SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
- THE RECOMMENDATIONS OF THE SOIL REPORT SHALL SUPERSEDE THE SOIL PREPARATION AND BACKFILL MIX SPECIFICATIONS (SEE SPECIFICATIONS). THE CONTRACTOR SHALL SUBMIT A COPY OF ALL SOILS REPORTS TO THE LANDSCAPE ARCHITECT PRIOR TO MODIFICATION OF THESE SPECIFICATIONS.
- SHREDDED MULCH INSTALLATION: INSTALL SHREDDED MULCH IN ALL SHRUB AND GROUND COVER AREAS PER SPECIFICATIONS UNLESS OTHERWISE INDICATED ON PLANS.
- CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND/OR REPLACEMENT OF ANY DAMAGED LANDSCAPE AREAS BEYOND THE LIMIT OF WORK, INCLUDING REPAIRING ANY IRRIGATION LINES/SPRINKLER HEADS, THAT IS A DIRECT RESULT OF THE LANDSCAPE CONSTRUCTION AND/OR HIS SUB-CONTRACTOR. REPLACEMENT ITEMS SHALL BE EXACT DUPLICATION OF ORIGINAL WORK OR PLANTS, UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.
- WHEREVER GROUND COVER AREAS ARE ADJACENT TO TURF, INSTALL CONCRETE MOW STRIP OR HEADER BOARD AS INDICATED ON DRAWINGS.
- CLEAN-UP SHALL TAKE PLACE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL GRADES AND FLOW LINES AS SHOWN ON THE GRADING PLAN. WHERE SOD IS TO BE INSTALLED ON A SWALE, THE FINISH GRADE MUST BE ADJUSTED SO THE SOD DOES NOT RESTRICT THE FLOW.

PLANTING LEGEND:

SYMBOL / CALLOUT	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS	WATER QTY USE
TREES:						
	T-1	Platanus acerifolia 'Bloodgood'	London Plane Tree	36" Box	Per Plan Standard	M 6
SHRUBS:						
		Muhlenbergia dubia	Pine Muhly	5 Gal.	24" O.C. ---	L 70
		Callistemon 'Little John'	Dwarf Bottle Brush	5 Gal.	36" O.C. ---	L 14
	Wood Chip Mulch - Provide 3" of Wood Chip Mulch in Planter Area under the (2) Existing Pine Trees					

PHOTO SUBMITTAL NOTE:

ALL PLANT MATERIAL, INCLUDING TREES, SHRUBS, AND VINES, SHALL BE INSPECTED AND APPROVED BY LANDSCAPE ARCHITECT, VIA PHOTO SUBMITTALS, PRIOR TO DELIVERY TO SITE. PHOTO SUBMITTALS SHALL INCLUDE NURSERY SUPPLIER AND DATE OF PHOTOS. ANY MATERIAL DELIVERED TO SITE WITHOUT APPROVAL IS SUBJECT TO REJECTION. PHOTO SUBMITTALS SHALL BE SENT TO LANDSCAPE ARCHITECT A MINIMUM OF 48 HOURS PRIOR TO SHIPMENT OF MATERIAL. SUBMITTALS SHOULD INCLUDE SOME TYPE OF SCALE REFERENCE IN PHOTO (I.E. PERSON, MEASURING TAPE, ETC.). TREES SHALL BE NOTED WITH HEIGHT (FROM FINISH GRADE IN CONTAINER) AND CANOPY HEAD SIZE. LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF SCHEDULED NURSERY DELIVERY TIMES A MINIMUM OF 24 HOURS PRIOR TO SHIPMENT. REFER TO PLANTING SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING QUALITY OF NURSERY STOCK.

MULCH NOTE:

CONTRACTOR SHALL INSTALL A 3" LAYER OF CHIPPED MULCH IN ALL SHRUB AREAS (1 1/2" IN ALL GROUND COVER AREAS). MULCH SHALL BE "WALK ON CHIPS" AS MADE BY EARTHWORKS, RIVERSIDE, CA. CONTACT LEO PHORORO (951) 782-0260. SUBMIT SAMPLE OF ANY ALTERNATIVE MATERIAL PRIOR TO PURCHASE AND/OR PLACEMENT FOR OWNER'S REPRESENTATIVE'S APPROVAL.

PLANT SPACING NOTE:

SHRUB LAYOUT AS SHOWN ON PLAN INDICATES "SHRUB MASSES." QUANTITIES ARE AS SHOWN ON PLAN, ON-CENTER SPACING AS SHOWN ON LEGEND. CONTRACTOR TO VERIFY QUANTITIES BASED ON SPACING AND ADD ADDITIONAL PLANT MATERIAL AT NO ADDITIONAL COST TO THE OWNER, AS REQUIRED TO MAINTAIN DESIGN INTENT DUE TO EXISTING SITE CONDITIONS NOT ANTICIPATED DURING DESIGN. LAYOUT/SPACING WILL EITHER BE TRIANGULAR OR LINEAR AS INDICATED ON PLAN OR LEGEND. LANDSCAPE ARCHITECT IS TO APPROVE FINAL LAYOUT IN FIELD PRIOR TO INSTALLATION.

LINEAR ROOT BARRIER NOTE:

ALL TREES PLANTED WITHIN 5' OF ANY HARDSCAPE WILL REQUIRE LINEAR ROOT BARRIERS, TO BE PLACED ALONG CURBS, WALKS, AND WALLS. SEE DETAIL B, SHEET L-2.1, FOR LINEAR ROOT BARRIER PLACEMENT.

HYDROZONE LEGEND:

REFER TO IRRIGATION PLAN AND DETAIL SHEET FOR CORRESPONDING INFORMATION.

HYDROZONE 1 (HZ1):

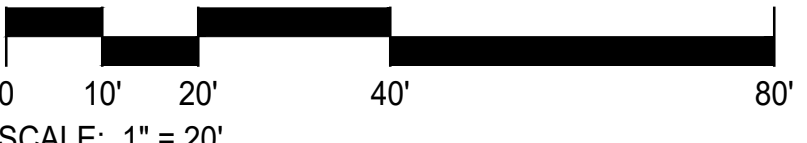
MODERATE SHRUB PLANTER AREAS, DRIP IRRIGATION w/
 SUPPLEMENTAL IRRIGATION TO TREES.

PLAN CROSS REFERENCES:

FOR NOTES AND LEGENDS, SEE THIS SHEET
FOR PLANTING DETAILS, SEE SHEET L-2.1
FOR PLANTING SPECIFICATIONS, SEE BOOK SPECS
FOR CORRESPONDING IRRIGATION PLAN SEE SHEET L-1.0

SYMBOL LEGEND:

TREES		SHRUBS	
CALL-OUT SYMBOL		CALL-OUT SYMBOL	
SIZE (gal./box)		QUANTITY	



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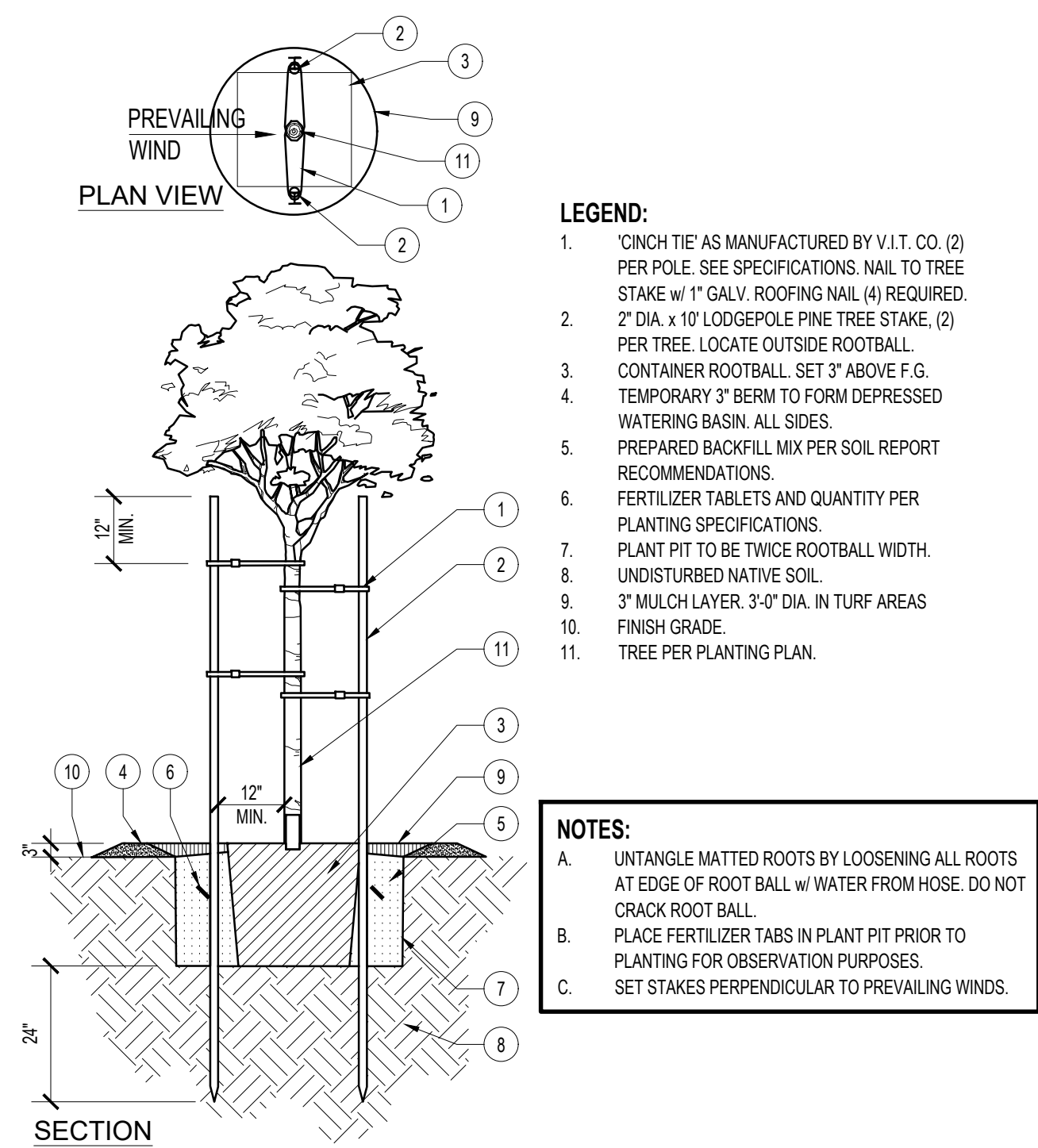
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PLANTING PLAN

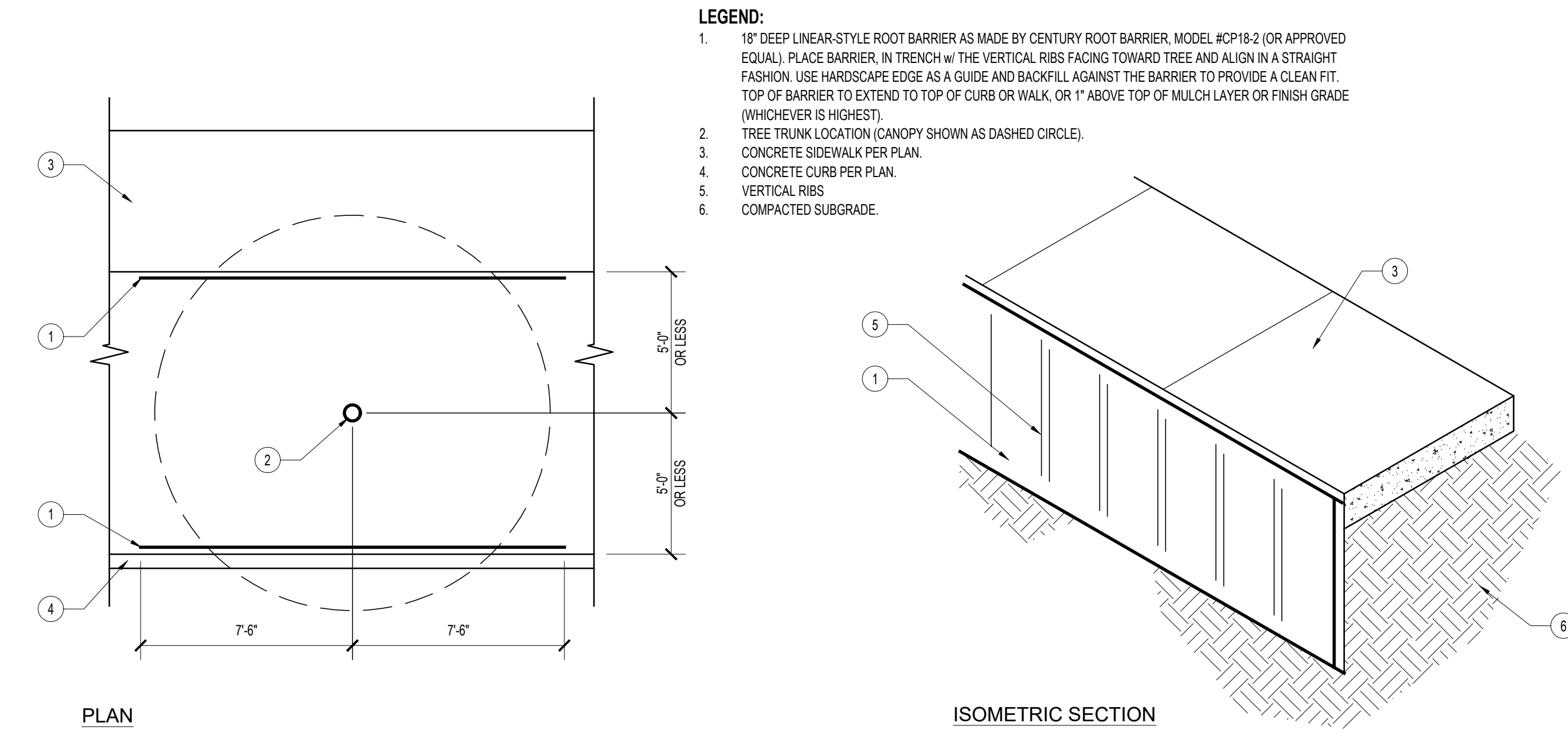


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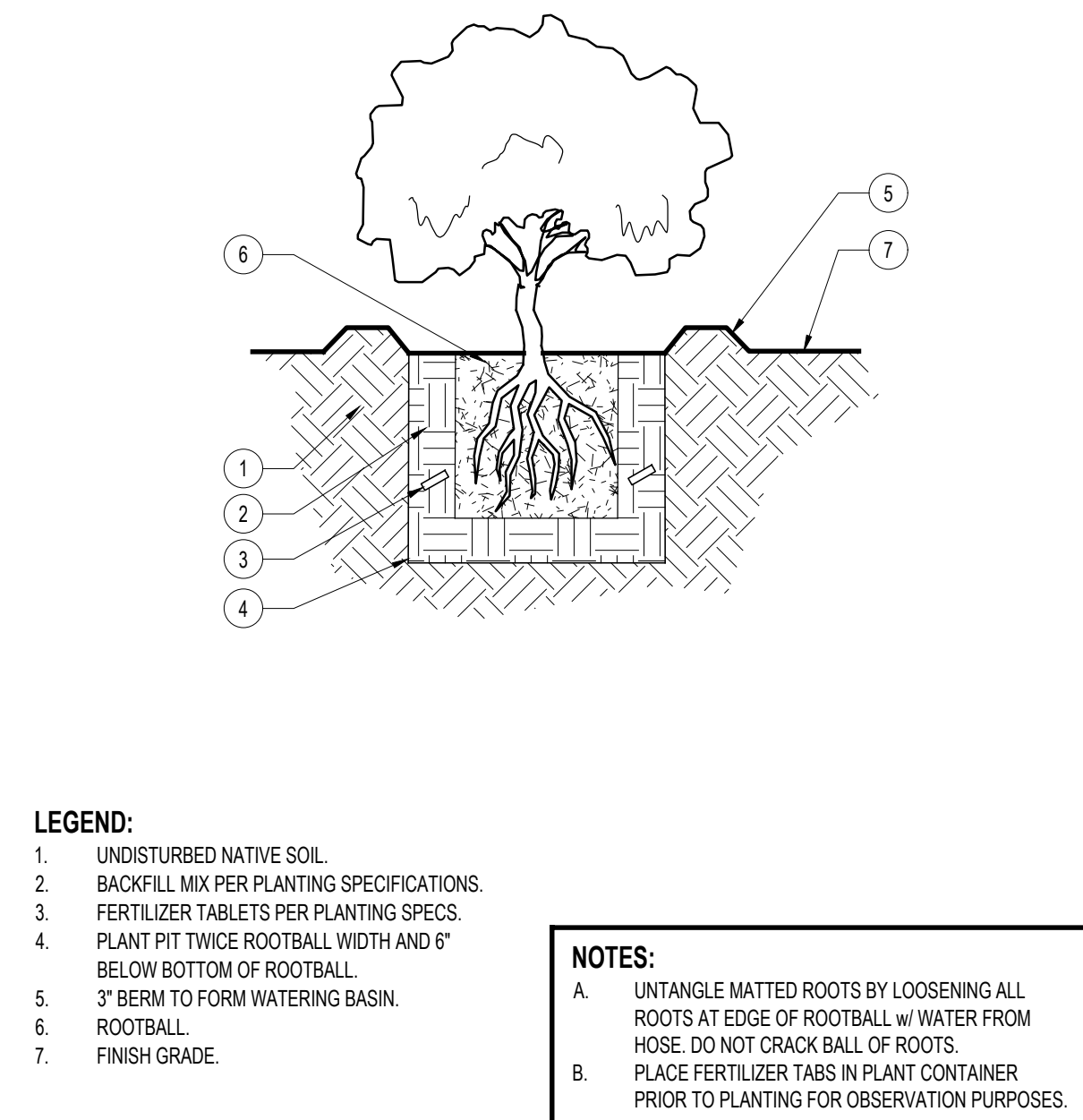
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A DOUBLE STAKE TREE
SCALE: NOT TO SCALE



B LINEAR ROOT BARRIER
SCALE: 1/4" = 1'-0"



C SHRUB PLANTING
SCALE: NOT TO SCALE

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LANDSCAPE PLANTING DETAILS

ARCHITERRA DESIGN GROUP
LANDSCAPE ARCHITECTURE AND PLANNING

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